

APR 12 1993

Sheet 1 of 4

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DKT. NO. SCH 1463 C4	SERIAL NO. 09/228,972
	APPLICANT Volkmar UHLENDORF et al.	
	FILING DATE 1/12/99	GROUP 3662

U.S. PATENT DOCUMENTS

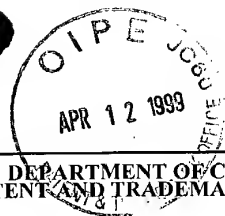
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
26	AA	5,219,401	6/15/93	Cathignol et al.		
26	AB	4,265,251	5/5/81	Tickner		
26	AC	4,276,885	7/7/81	Tickner et al.		
26	AD	5,601,086	02/11/97	Pretlow, III et al.		
26	AE	3,444,509	05/13/69	Rubega et al.		
26	AF	5,540,909	07/30/96	Schutt		
26	AG	5,526,816	06/18/96	Arditi		
26	AH	5,558,092	09/24/96	Unger et al.		
26	AI	5,628,322	05/13/97	Mine		
26	AJ	4,063,549	12/20/77	Beretsky et al.		
26	AK	4,068,521	01/17/78	Cosentino et al.		
26	AL	4,149,420	04/17/79	Hutchinson et al.		

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						Yes	No
26	AM	0 066 876	12/15/82	EPO			
26	AN	0 140 392	5/8/85	EPO			
26	AO	61-228,843	06/13/86	Japan			
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26	AU	Japanese Journal of Applied Physics, Vol. 27, Supp. 27-1 (1988), pgs. 17-20				
26	AV	F. W. Kremkau, "Doppler Ultrasound Principles and Instruments": Artifacts, Performance, and Safety, pgs. 248-365				
26	AW	Soviet Physics-Acoustics, Vol. 18, pgs. 396-398				
26	AX	JP Patent Appln. Disclosure No. 61-290941 (1986)				
26	AY	JP Patent Appln. Disclosure No. 60-53133 (1985)				
26	AZ	Y. Nakagawa et al., The Transactions of the IECE, Vol. E71, No. 8, pp799-809 (8/1988)				
Examiner <i>Don Philbi</i>				Date Considered 9-21-99		



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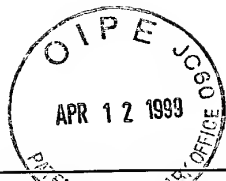
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W	AA	4,154,113	05/15/79	Engeler		
W	AB	4,454,884	06/19/84	Seader		
W	AC	4,621,645	11/11/86	Flax		
W	AD	4,837,754	06/06/89	Nakagawa		
W	AE	4,862,892	09/05/89	Green		
W	AF	4,881,549	11/21/89	Rhyne		
W	AG	4,974,558	12/04/90	Katakura et al.		
W	AH	5,678,553	10/1997	Uhlendorf et al.		
W	AI	5,410,516	04/1995	Uhlendorf et al.		
W	AJ	4,774,958	10/1988	Fienstein		
W	AK	4,718,433	01/1988	Fienstein		
W	AL	4,572,203	02/1986	Fienstein		

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W	AU	C.L. Christman et al., "In vivo microbubble detection in decompression sickness using a second harmonic resonant bubble detector," Undersea Biomedical Research, Vol. 13, No. 1, March 1986, pp. 1-18
W	AV	Mattrey, "Perfluorochemicals as use in Contrast Agents for Tumor Making and Hepatosplenography: Preliminary Clinical Results, Radiology 163 pp. 339-343 (1987)
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Examiner <i>Don Pichler</i>		Date Considered 9-21-99



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26	AA	3,622,958	11/23/71	Tucker et al.		
26	AB	3,156,110	11/07/23/624	M. E. Clynes		
1	AC					
26	AD	3,510,833	05/05/70	Turner		
26	AE	3,640,271	02/08/72	Horton		
26	AF	3,763,463	10/02/73	Muir		
26	AG	3,812,454	05/21/74	Bhuta et al.		
26	AH	3,964,013	06/15/76	Konrad		
26	AI	4,075,599	02/21/78	Kosalos et al.		
26	AJ	4,270,191	05/26/81	Peynaud		
26	AK	4,483,345	11/20/84	Miwa		
26	AL	4,566,460	01/28/86	Sato et al.		

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26	AU	"Ultrasonic Monitoring of Decompression," Methods and Devices, 4/27/68, <i>The Lancet</i>	
26	AV	Newhouse et al., "Bubble size measurements using the nonlinear...", <i>J. Acoust. Soc. Am.</i> , Vol. 75, No. 5, May 1934, pp. 1473-1477	
26	AW	D.L. Miller, "Ultrasonic detection of resonant cavitation bubbles..."	
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Examiner <i>Don Phillips</i>			Date Considered 9-21-99

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26	AA	4,653,328	03/31/87	Herman		
26	AB	4,807,633	02/28/89	Fry		
26	AC	4,936,308	06/26/90	Fukukita et al.		
26	AD	5,195,520	05/23/93	Schlieff et al.		
26	AE	4,664,123	05/12/87	Iinuma		
26	AF	4,771,786	09/20/88	Iinuma		
26	AG	Re 34,566	03/22/94	Ledley		
26	AH	4,679,565	06/14/87	Sasaki		
26	AI	4,610,255	09/1986	Shimura et al.		
26	AJ	4,452,082	06/05/84	Miwa		
26	AK	4,532,812	08/1985	Birchak		
26	AL	5,255,683	10/1993	Monoghan		

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26	AU	Germain et al., "Generation and detection of high-order harmonics...", J. Acoust. Soc. Am., Vol. 83, No. 3, March 1988, pp. 942-949				
26	AV	Law et al., "Ultrasonic determination of the nonlinearity parameter...", J. Acoust. Soc. Am., Vol. 69, No. 4, April 1981, pp. 1210-1212				
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Examiner <i>Don Petrus</i>				Date Considered 9-21-99		